

FIG. 1

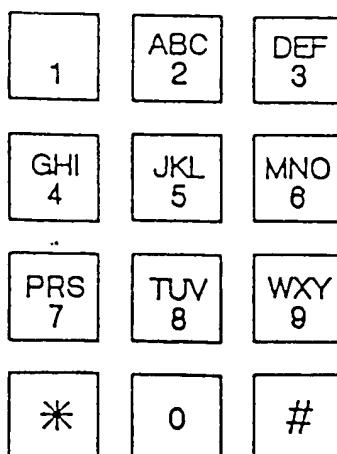


FIG. 2

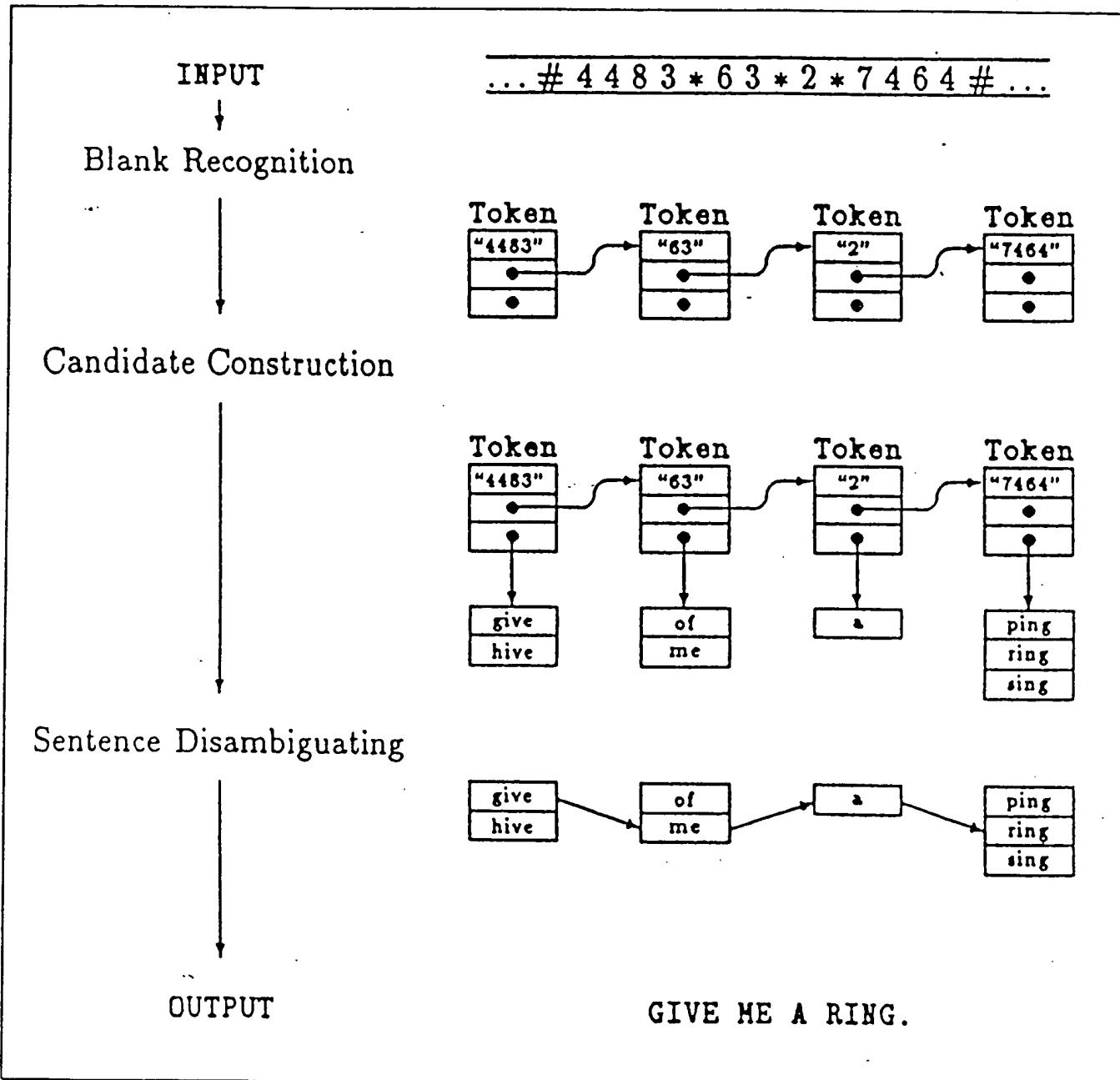


FIG. 3

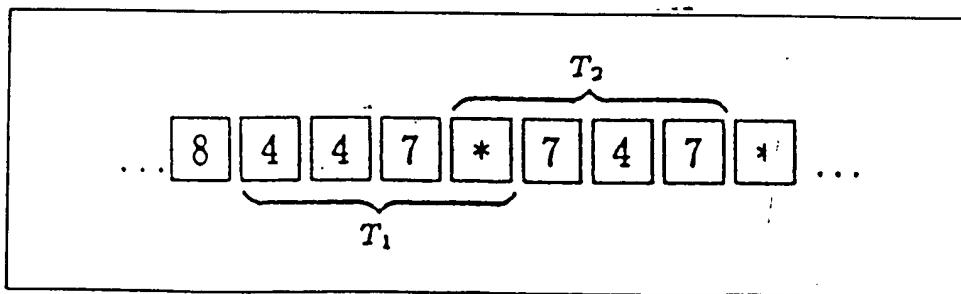


FIG. 4

<i>Number of coinciding codes</i>	<i>Code Words</i>	<i>Code Strings</i>
1	41122	41122
2	4896	2448
3	1476	492
4	588	147
5	300	60
6	174	58
7	42	6
8	48	6
9	9	1
10	0	0
11	11	1

FIG. 5

<i>Code</i>	<i>Word Candidates</i>	<i>Count</i>
22737	cases cares cards capes caper bases baser bares barer bards	11
46637	inner hoofs hoods hones honer homes homer goods goner	9
269	coy cox cow boy box bow any amy	8
76737	sores sorer roses ropes roper poses poser pores	8
7283	scud save sate rave rate pave pate Saud	8
729	say sax saw ray raw pay pax paw	8
72837	saves saver sates raves rates rater paves pater	8
2273	case care card cape base bare bard acre	8
7867	suns sums stop runs rump puns pump	7
752837	slaves slaver slates slat er skates skater plates	7
-4663	hoof hood hone home goof good gone	7

FIG. 6

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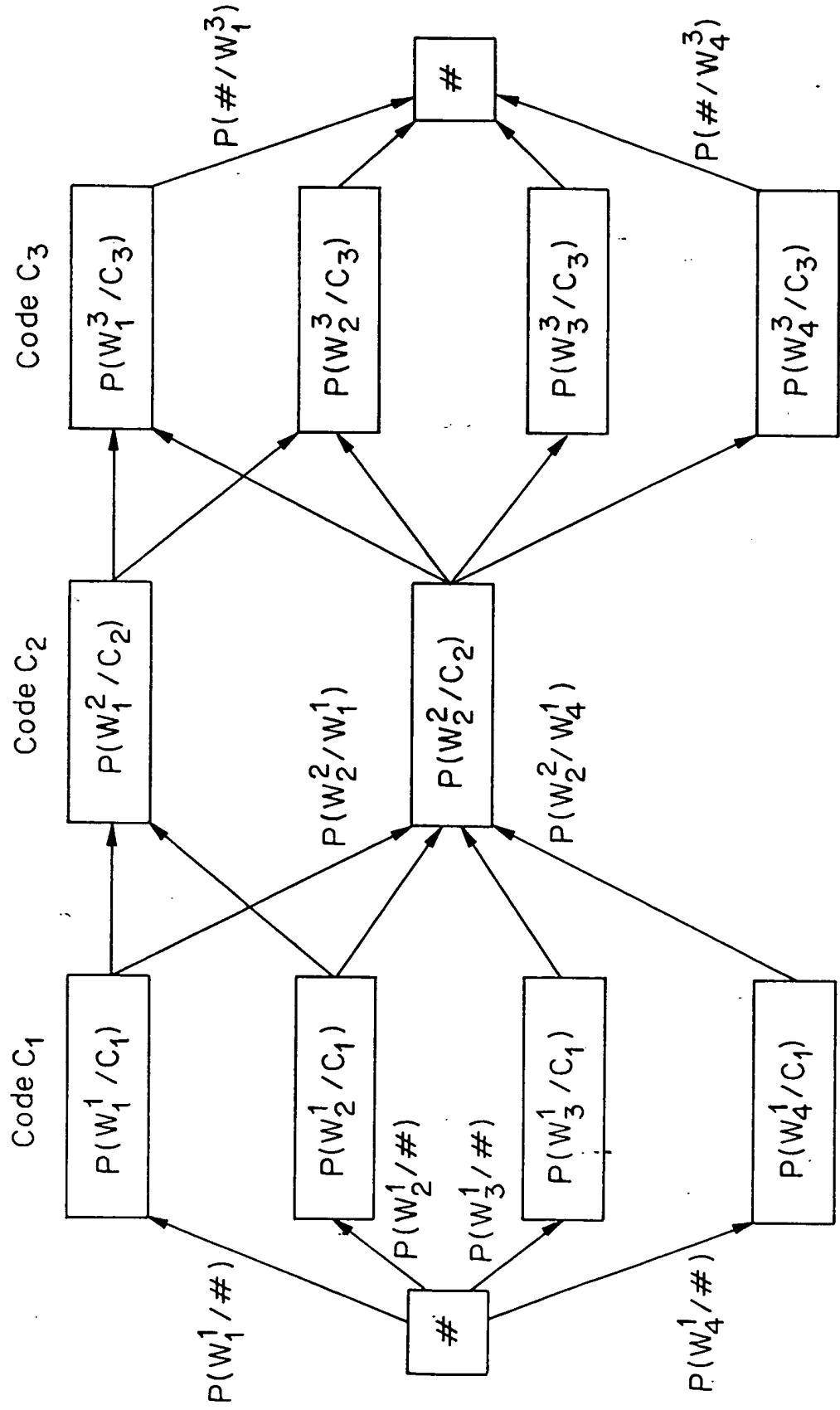


FIG. 7

<i>List of Word Tags</i>		
Tag	Description	Examples
ABL	pre-qualifier	<i>quite, rather</i>
ABN	pre-quantifier	<i>half, all</i>
AP	post-determiner	<i>many, next</i>
AT	article	<i>a, the, no</i>
CC	coordination conjunction	<i>and, or</i>
DT	singular determiner	<i>this, that</i>
DTS	plural determiner	<i>these, those</i>
JJ	adjective	<i>compellable</i>
NN	sing. or mass noun	<i>powder</i>
NNS	plural noun	<i>drafts</i>
NR	adverbial noun	<i>home, west</i>
VB	verb, base form	<i>take</i>
VBD	verb, past tense	<i>took</i>
VBG	verb, present participle, gerund	<i>taking</i>
VBN	verb, past participle	<i>taken</i>
VBZ	verb, 3rd singular present	<i>takes</i>
WDT	wh- determiner	<i>what, which</i>

FIG. 8

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Phase	Characters identified	Errors of total	Accuracy	Time
Total	3155498	29875	99.05%	1.03 ms/char
Blank				
Recognition	15.82%	0.45%	99.97%	12.88%
Unknown Word	5.31%	71.28%	87.28%	0.74%
Split	0.64%	0.57%	99.15%	0.03%
Affix	1.58%	12.04%	92.79%	0.07%
Match	2.41%	37.12%	85.41%	0.35%
Viterbi	0.68%	21.55%	70.03%	0.29%
Sentence Disambiguation	78.88%	28.27%	99.66%	86.11%

FIG. 9

Text	characters	characters correct	non-blanks correct	words correct	time per character
Clinton Speeches	1073593	99.04%	98.86%	97.67%	0.97ms
Herland	278670	98.24%	97.89%	97.02%	0.97ms
Moby Dick	1123581	96.85%	96.25%	94.75%	1.14ms
Bible	3961684	96.20%	95.39%	95.39%	1.33ms
Shakespeare	4558202	95.20%	94.21%	92.86%	0.99ms

FIG. 10

FOURSCORE AND SEVEN YEARS AGO
OUR FATHERS BROUGHT FORTH ON
THIS CONTINENT A NEW NATION CON-
CEIVED IN LIBERTY AND DEDICATED
TO THE PROPOSITION THAT ALL MEN
ARE CREATED EQUAL.

NOW WE ARE ENGAGED IN A GREAT
CIVIL WAR TESTING WHETHER THAT
NATION OR ANY NATION SO CON-
CEIVED AND SO DEDICATED CAN LONG
ENDURE. WE ARE MET ON A GREAT
BATTLEFIELD OF THAT WAS. WE
HAVE COME TO DEDICATE A PORTION
OF THAT FIELD AS A FINAL SERVING
PLACE FOR THOSE WHO HERE HAVE
THEIR LIVES THAT THE NATION MIGHT
LIVE . IT IS ALTOGETHER FITTING AND
PROPER THAT WE SHOULD DO THIS.

BUT IN A LARGER SENSE WE CAN NOT
DEDICATE WE CAN NOT CONSECRATE
WE CAN NOT HALLOW THIS GROUND.
THE BRAVE MEN LIVING AND DEAD
WHO STRUGGLED HERE HAVE CONSE-
CRATED IT FAR ABOVE OUR POOR
POWER TO ADD OR DETRACT. THE
WORLD WILL LITTLE NOTE NOR LONG

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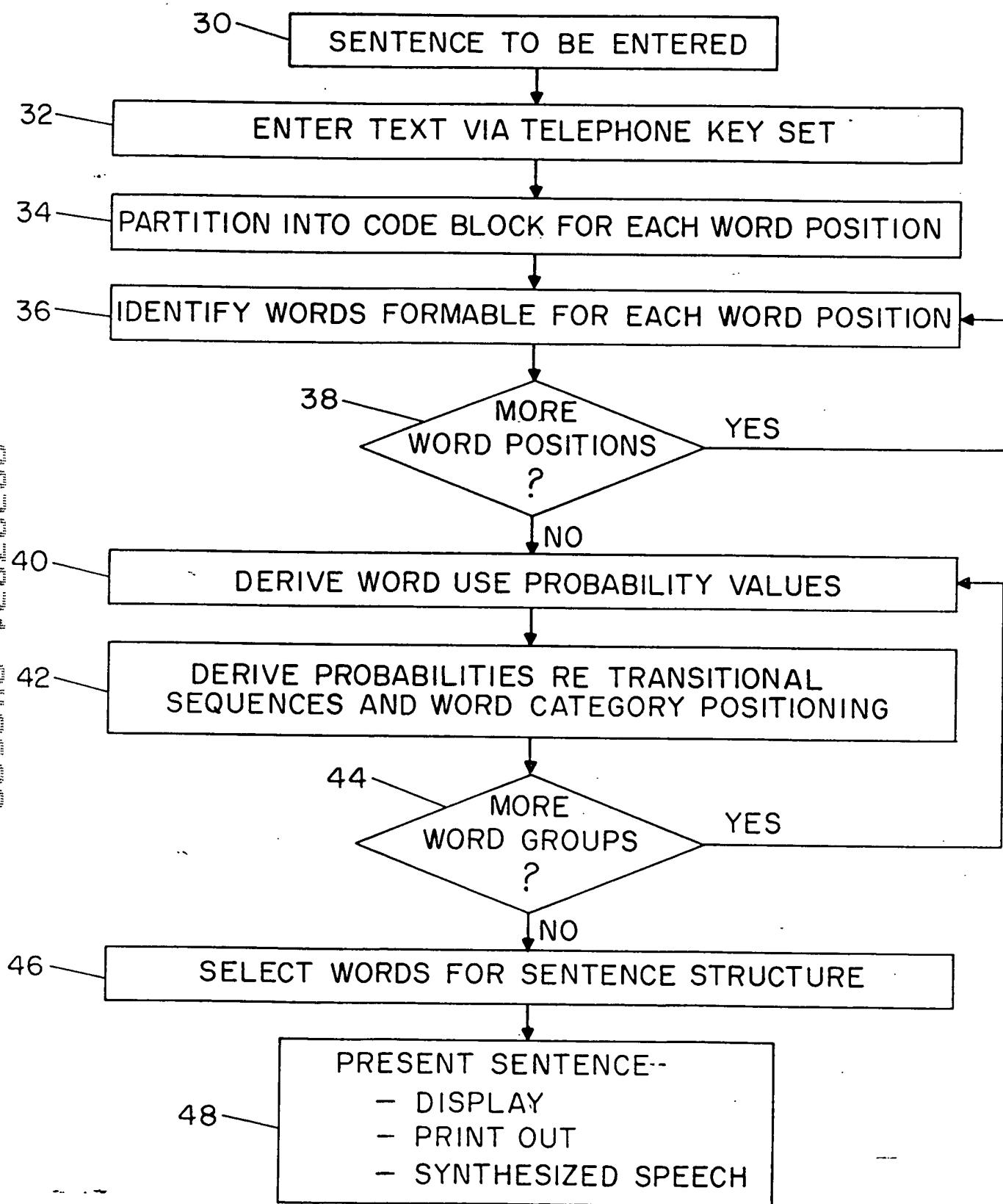


FIG. 12